



FDN-2593/DIV

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : James F. Curry et al ) Group Art Unit 1714  
Serial No. : 10/669,046 ) Examiner Tae H. Yoon  
Filed : 09/23/2003 )  
For : AQUEOUS DISPERSIONS OF LOW-MOLECULAR WEIGHT,  
LOW-MELTING AND WATER INSOLUBLE POLYMERS

Commissioner for Patents  
P.O. BOX 1450  
Alexandria, VA 22313-1450

Sir:

DECLARATION OF KOLAZI S. NARAYANAN

I, DR. KOLAZI S. NARAYANAN, hereby depose and say:

1. That I am a named applicant in the above-described U.S. patent application.
2. That I am a Science Fellow with International Specialty Products, in Wayne, New Jersey. I am involved with development of advanced formulation systems for Performance Chemicals and Agricultural Products. I joined the company in 1987 as Technical Associate and became Senior Research Scientist in 1991. Previously, (1979-1987), I was with Vineland Chemical Company, Vineland, New Jersey, as Technical Director. I have received 104 U.S. patents and 50 technical publications. My recent publications and interests are: universal emulsifiable concentrate systems, microemulsion technology, microemulsifiable solid systems, superior adjuvants, instantly dispersible solids, leaching inhibition, and UV stabilization of pesticides, delivery of hydrophobic materials in water as nano-scale particles, sustained release delivery systems, and polymeric dispersants, and interactions with polymers/surfactants and small molecules. I received a Ph.D. in physical organic chemistry from Oklahoma State University in 1978, M.Sc and B.Sc (Honors) degrees from Delhi University.

SERIAL NO. 10/669,046

I received the (ISP) President's award for outstanding Technical Contributions to International Specialty Products (1994), and a second time for Team work in 2003.

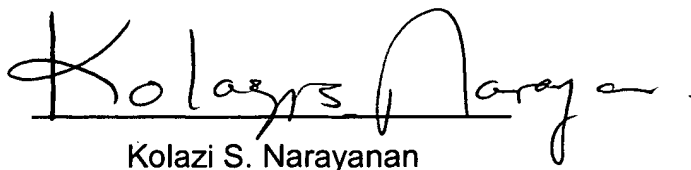
3. That N-octyl pyrrolidone was disclosed as essential in my prior patent to maintain the composition as a single phase microemulsion.

4. However, the presence of N-octyl pyrrolidone in the invention composition would change its characteristics materially away from the desired aqueous dispersion, i.e. a two-phase system, where the polymer is suspended in the anionic emulsifier, into a detrimental microemulsion.

5. In this invention, the copolymer particles have a defined size which is necessary for a suitable dispersion of the copolymer. These sizes are much larger than in my prior composition.

6. I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date June 27, 2006

  
Kolazi S. Narayanan